

Work Order ID 86332

June-27-12 1:27:02 PM

Ship July 4 on point!
86332

Page 1

Item ID: DSI 9599-011

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Squirrel Cheek Compatibility

Start Date: 27/06/2012 Start Qty: 2.00

2

Cust Item ID:

Required Date: 03/07/2012 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals:

Process Plan: MCT

Date: 12/06/27 Tooling:

Date:

Run Start *NR1*

QC:

Date: SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

DSI 9599

A

100

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile & type labels per PPP DSI9599-011 CHG001

Scrubber
fb

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

2

12/06/29

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

Scrubber

Q

Work Order ID 86332

June-27-12 1:27:02 PM

86332

Item ID: DSI 9599-011

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Squirrel Check Compatibility

Cust Item ID:

Customer:

Start Date: 27/06/2012 Start Qty: 2.00

2

Required Date: 03/07/2012 Req'd Qty: 2.00

2

Reference:

Run Start *NR1*

Approvals:

Process Plan:

Date:

Tooling:

Date:

Stop

NR2

QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

0.00

130

Packaging

Packaging

0.00

Packaging

Memo

Identify and pack for shipping as per PPP DSI9599-011

Location: _____

140

0.00

140

QC

Quality Control

QC21- Final Inspection - Work Order Release

Memo

0.00

MCS 12/06/29

MF 12-06-29

June-27-12 1:27:05 PM

Page 1

86332

DSI 9599-011

Start Date: 27/06/2012

Required Date: 03/07/2012

Start Qty: ~~2.00~~

Required Qty: 2.00

Comments: IPP REV:A 12.02.05 NEW ISSUE DD VERF:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4004-043		Manufactured	No			110	Each	10.0000		2 ✓			
D4004-043									**				
Side Restraint Angle and Tie Down Point													
				<u>Location</u>						<u>Loc Qty</u>		<u>Loc Code</u>	
				ST141a						10			
				83134						10			
D4420-041		Manufactured	No			110	Each	1.0000		2 ✓			
D4420-041									**				
Top Support Assembly													
				<u>Location</u>						<u>Loc Qty</u>		<u>Loc Code</u>	
				ST139E						3			
				WA						-2			
				83443						1			
D4420-043		Manufactured	No			110	Each	0.0000		2 ✓			
D4420-043									**				
Top Leg Support Assembly													
				<u>Location</u>						<u>Loc Qty</u>		<u>Loc Code</u>	
				ST139E						3			
				WA						-2			
				83443						1			
D4422-1		Manufactured	No			110	Each	5.0000		2 -			
D4422-1									**				
Shim													
				<u>Location</u>						<u>Loc Qty</u>		<u>Loc Code</u>	
				ST139d						5			
				80924						5			

Picklist Print

June-27-12 1:27:05 PM

Page 2

Work Order ID: 86332

Parent Item: DSI 9599-011

Parent Item Name: Squirrel Check Compatibility

86332

DSI 9599-011

Start Date: 27/06/2012

Required Date: 03/07/2012

Start Qty: 2.00

Required Qty: 2.00

D4422-3

D4422-3

Shim

Manufactured No

110 Each

8.0000

**

86447 JB

Location

Loc Qty

Loc Code

ST

-4

80925

8

ST139d

12

D4423-1

D4423-1

Splash Guard Extension

Manufactured No

110 Each

3.0000

**

JB

Location

Loc Qty

Loc Code

st139h

3

86126

3

AKS7-1032-130

AL57-1032-130

AKS7-1032-130

Insert

Purchased No

110 Each

0.0000

**

121444

AN4-6A

AN4-6A

Bolt

Purchased No

110 Each

1,391.000

**

JB

Location

Loc Qty

Loc Code

ST356

1391

119017

391

121243

500

122151

500

AN525-10R9

AN525-10R9

Screw

Purchased No

110 Each

15.0000

**

JB 12/06/29

Location

Loc Qty

Loc Code

ST345

15

110023

5

121524

10

1x10023

7x121524

June-27-12 1:27:05 PM

Shop Packet Print

Page 2

Picklist Print

June-27-12 1:27:05 PM

Page 3

Work Order ID: 86332

86332

Parent Item: DSI 9599-011

DSI 9599-011

Parent Item Name: Squirrel Cheek Compatibility

Start Date: 27/06/2012

Required Date: 03/07/2012

Start Qty: 2.00

Required Qty: 2.00

CR3212-4-05

Purchased

No

110

Each

516.0000

10 20 ✓

CR3212-4-05
CHERRY RIVET

**

JB

Location

Loc Qty

Loc Code

ST331

516

1108

516

110

Each

392.0000

10 20 ✓

CR3212-4-06

Purchased

No

CR3212-4-06
CHERRY RIVET

**

JB

Location

Loc Qty

Loc Code

ST330

339

120521

139

122141

200

ST331

53

112492

18

112794

8

119717

27

CR3212-5-06

Purchased

No

110

Each

70.0000

10 20 ✓

CR3212-5-06
Rivet

**

JB

Location

Loc Qty

Loc Code

ST331

70

120933

70

110

Each

146.0000

10 20 ✓

CR3212-5-07

Purchased

No

CR3212-5-07
Rivet

**

JB 12/06/29

Location

Loc Qty

Loc Code

ST331

146

120833

46

121048

100

120833

June-27-12 1:27:06 PM

Shop Packet Print

Page 3

Picklist Print

June-27-12 1:27:06 PM

Work Order ID: 86332

Parent Item: DSI 9599-011

Parent Item Name: Squirrel Cheek Compatibility

MS20470AD4-7

Purchased

No

MS20470AD4-7

Rivet, Universal Head

86332

DSI 9599-011

Start Date: 27/06/2012

Required Date: 03/07

Start Qty: 2.00

Required Qty: 2.00

110

Each

1,379.000

**

4 8

✓

JB

SP

Location

Loc Qty

Loc Code

ST139

1062

121415

1062

ST319

52

120769

52

ST320

265

116081

117

118614

148

121415

MS20470AD4-5

Purchased

No

MS20470AD4-5

Rivet, Universal Head

110

Each

1,202.000

**

4 8

✓

JB

SP

Location

Loc Qty

Loc Code

ST319

1202

118405

405

120142

797

120142

MS21042-08

Purchased

No

MS21042-08

USE MS21042L08

110

Each

50.0000

**

2 4

✓

JB

SP

Location

Loc Qty

Loc Code

ST300

50

103668

50

103668

MS24694-S51

Purchased

No

MS24694-S51

Screw

110

Each

63.0000

**

3 10

✓

JB

12/06/12

SP

Location

Loc Qty

Loc Code

ST289

63

116805

63

116805

June-27-12 1:27:06 PM

Shop Packet Print

Page

Pickl

June-27

Work O

Parent 1

Parent 1

MS2703

***MS**
SCREW

NAS114

***NA**
WASHE

NAS114

***N**
Washer

June-27

1:27:06 PM

Order ID: 86332

Parent Item: DSI 9599-011

Parent Item Name: Squirrel Cheek Compatibility

86332

DSI 9599-011

Start Date: 27/06/2012

Required Date: 03/07/2012

Start Qty: 2.00

Required Qty: 2.00

MS27039-08-05

Purchased

No

110 Each

92.0000

**

MS27039-08-05

SCREW

LocationLoc QtyLoc Code

ST293

92

117316

92

110 Each

571.0000

**

NAS1149DN832J

Purchased

No

NAS1149DN832.J

WASHER

LocationLoc QtyLoc Code

ST298

571

119717

41

120422

530

110 Each

69.0000

**

NAS1149F0463P

Purchased

No

NAS1149F0463P

Washer

LocationLoc QtyLoc Code

ST275

69

116702

2

120739

67

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D350-794 REV. C
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-794 REV. 2

REF. TCCA STC: SH05-4

REF. FAA STC: SR02794NY

REF. EASA STC: 10031514

1.0 PURPOSE

This service instruction is intended to make the D350-794-011/-111 and D130-794-021/-121 Auxiliary Fuel Tanks compatible with Eurocopter Squirrel Cheek using DSI 9599-011 kit.

2.0 INSTALLATION POCEDURE

2.1 PREPARATION

Perform the following steps:

- 2.1.1 Remove and retain the gas spring, compartment door, and hardware.
- 2.1.2 Remove and retain the forward support bracket and attaching hardware of the Eurocopter Squirrel Cheek.
- 2.1.3 If installed, remove and retain MS20822-8D 90° Fitting from top of D4055-041 or D4464-041 Fuel Tank.
- 2.1.4 If the aircraft is equipped with later model ECL Aux Airframe Fuel Filter Drain Hose, it is recommended to procure from Eurocopter and install P/N ESK-1324 elbow fitting to eliminate interference of drain hose with Auxiliary Fuel Tank.

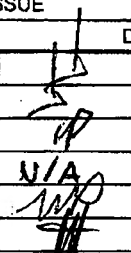
2.2 INSTALLATION OF GUTTERS AND LOWER TIE DOWN POINT:

- 2.2.1 Follow steps 3.1 through 3.4 of IIN-D350-794.
Step 3.2 is only applicable to EC130 aircraft.
- 2.2.2 Replace Steps 3.5 (AS350) or 3.6 (EC130) of IIN-D350-794 with the following instructions:
 - 2.2.2.1 Reference Figure 1 of this service instruction and drawing Sheet 2 and 3 of D350-794-001 (AS350) or D130-794-002 (EC130). Place fuel tank in position. Push firmly forward and inboard. Mark position of side restraint angle P/N D4004-043 and rear restraint angle/gutter P/N D4005-1. Rear restraint angle needs to be trimmed off to fit as desired.
 - 2.2.2.2 Side restraint angle P/N D4004-043 is to be located 17.5" ± 0.4" (445 mm ± 10 mm) aft of the forward bulkhead. Locate holes as shown in Figure 1 of this service instruction.
 - 2.2.2.3 Remove tank. Install AKS7-1032-130 inserts.
 - 2.2.2.4 Attach rear restraint angle/gutter P/N D4005-1 with eight (8) countersunk rivets, use 0.032" packer as necessary.
 - 2.2.2.5 Attach side restraint angle with four (4) AN525 screws and attach bottom strap tie down bracket P/N D4004-5 with five (5) MS24694 screws per Figure 1 of this service instruction.
- 2.2.3 Perform Step 3.7.
- 2.2.4 Perform Step 3.8 (AS350 only). Refer to Figure 3 and 4 of this service instruction.
Note for Step 3.8.1: It is acceptable to substitute up to two (2) MS20470AD4 rivet with existing bolt from aft support bracket of the Eurocopter Squirrel Cheek.
Note for Step 3.8.2: Replace Step 3.8.2 with Section 2.3 of this service instruction.
- 2.2.5 Perform Step 3.9 (EC130 only). Refer to Figure 3 and 4 of this service instruction.
Note for Step 3.9.1: It is acceptable to substitute up to two (2) MS20470AD4 rivet with existing bolt from aft support bracket of the Eurocopter Squirrel Cheek.
Note for Step 3.9.2: Replace Step 3.9.2 with Section 2.3 of this service instruction.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-Q-01

APPROVED
BY: 
D. SHEPHERD (DE # 02)

DATE: 12.03.01
CERT. NO.: SH05-4
ISSUE NO.: 3

A	NEW ISSUE	MB	12.02.23
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO. REV. A	
MFG. APPR.		DSI 9599 SHEET 1 OF 5	
APPROVED		TITLE DART AUX TANK AND SCALE	
DE APPR.	ECL SQUIRREL CHEEK COMPATIBILITY NTS		
DATE	12.02.23	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

2.3 INSTALLATION OF D4420-041/D4420-043 TOP SUPPORT/LEG ASSEMBLIES

To substitute installation of D4006-041 Top Support Assy referred to in IIN-D350-794. Refer to Figure 3 and 4 of this service instruction.

- 2.3.1 With tank in position and secured in with strap P/N D4024-041 (ref. IIN-D350-794), locate D4420-041 and D4422-1/-3 Shims. Locate D4420-043 and a D4422-1 Shim so the centerline of the leg on D4420-043 and D4422-1 Shim coincides with existing AN3 size hole in existing rib assembly and Squirrel Cheek top aft support bracket.
NOTE: Enlarge existing hole in Squirrel Cheek top aft support bracket to Ø0.250" to locate/fasten the D4420-043 Top Support Leg Assy and substitute the existing fastener in that one location with provided AN4 fastener. Trim D4420-043 Top Support Leg Assy, and D4422-1/-3 Shims as required to eliminate possible interference with existing ribs, stringers, rivet heads, or D4420-041.
- 2.3.2 Transfer mark location of D4420-043 onto D4420-041.
- 2.3.3 Remove and using existing hole in D4420-043, transfer drill Ø0.128" hole to D4420-043 and fasten using MS20470AD4 Rivets.
- 2.3.4 Install Top Support/Leg Support Assembly, Spacer, and Shims with provided hardware. Torque to 50-70 in-lbs.
- 2.3.5 Re-install the forward top support of the Squirrel Cheek per ECL STC using part and hardware removed at Step 2.1.2.
- 2.3.5 Complete installation by following Steps 3.10 through 3.16. Ensure to re-install MS20822-8D 90° Fitting at top of D4055-041 or D4464-041 Fuel Tank prior to installing the vent line.
- 2.3.6 Re-install Squirrel Cheek door and gas spring in accordance with ECL STC.

2.4 INSTALLATION OF D4423-1 SPLASH GUARD EXTENSION

Refer to Figure 2 of this service instruction.

- 2.4.1 Remove the D4008-7 Washers by unfastening the nuts from the screws. Retain all.
- 2.4.2 Fasten the D4008-7 Washers as shown using the hardware removed at the previous step.
- 2.4.3 Locate the Splash Guard Extension and fasten in place as shown.

3.0 WEIGHT AND BALANCE

There is a negligible weight change associated with the installation of DSI-9599-011 Kit and this modification. However, the weight and balance information of both the Eurocopter Squirrel Cheek and DART Auxiliary Tank is cumulative and applicable.

4.0 MAINTENANCE AND CONTINUED AIRWORTHINESS





Refer to ICA-D350-794 for maintenance of the auxiliary tank. Note: It is recommended to remove the compartment door and gas spring, auxiliary tank vent line, including MS20822-8D 90° Fitting at top of D4055-041 or D4464-041 Fuel Tank, and D4004-043 Side Restraint Angle prior to removing the auxiliary tank for inspection.

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AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-Q-01

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BY: 
D. SHEPHERD (DE # 02)

DATE: 12.03.01
CERT. NO.: SH054
ISSUE NO.: 3

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV: A
MFG. APPR.		DSI 9599	SHEET 2 OF 5
APPROVED		TITLE	DART AUX TANK AND SCALE
DE APPR.		ECL SQUIRREL CHEEK COMPATIBILITY NTS	
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5.0 PARTS LIST

Qty -011	Part Number	Description
X	DSI 9599-011	SQUIRREL CHEEK COMPATIBILITY KIT
1	D4004-043	SIDE RESTRAINT ANGLE
1	D4420-041	TOP SUPPORT ASSY
1	D4420-043	TOP SUPPORT LEG
1	D4422-1	SHIM
2	D4422-3	SHIM
1	D4423-1	SPLASH GUARD EXTENSION
10	AKS7-1032-130	INSERT
2	AN4-6A	BOLT
4	AN525-10R9	SCREWS
10	CR3212-4-05	RIVET
10	CR3212-4-06	RIVET
10	CR3212-5-06	RIVET
10	CR3212-5-07	RIVET
4	MS20470AD4-7	RIVET
4	MS20470AD4-5	RIVET
2	MS21042-08	NUT (OR MS21042L08)
5	MS24694-S51	SCREW
2	MS35206S242	SCREW (OR MS27039-08-05)
4	NAS1149DN832J	WASHER
2	NAS1149F0463P	WASHER

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AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: [Signature]
D. SHEPHERD (DE # 02)

DATE: 12.03.01
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DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN		
CHECKED		DRAWING NO. REV. A
MFG. APPR.		DSI 9599 SHEET 3 OF 5
APPROVED		TITLE DART AUX TANK AND SCALE
DE APPR.		ECL SQUIRREL CHEEK COMPATIBILITY NTS
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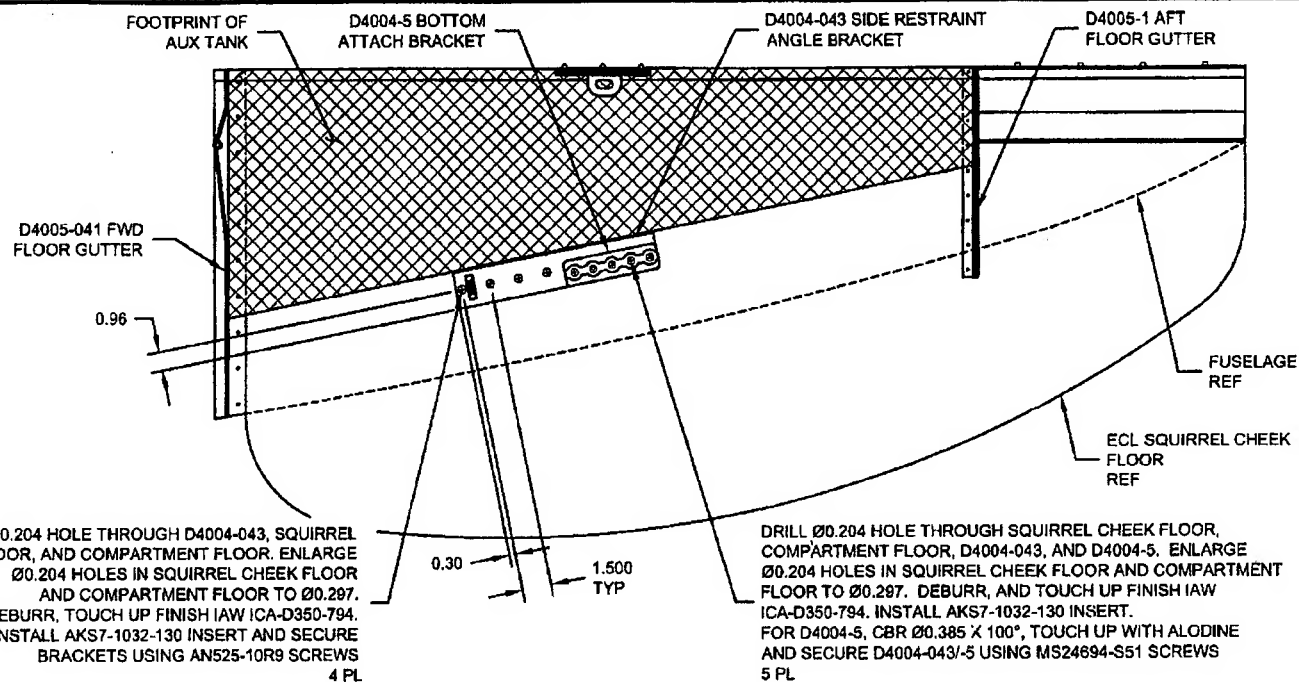


FIGURE 1: INSTALLATION ON SQUIRREL CHEEK FLOOR

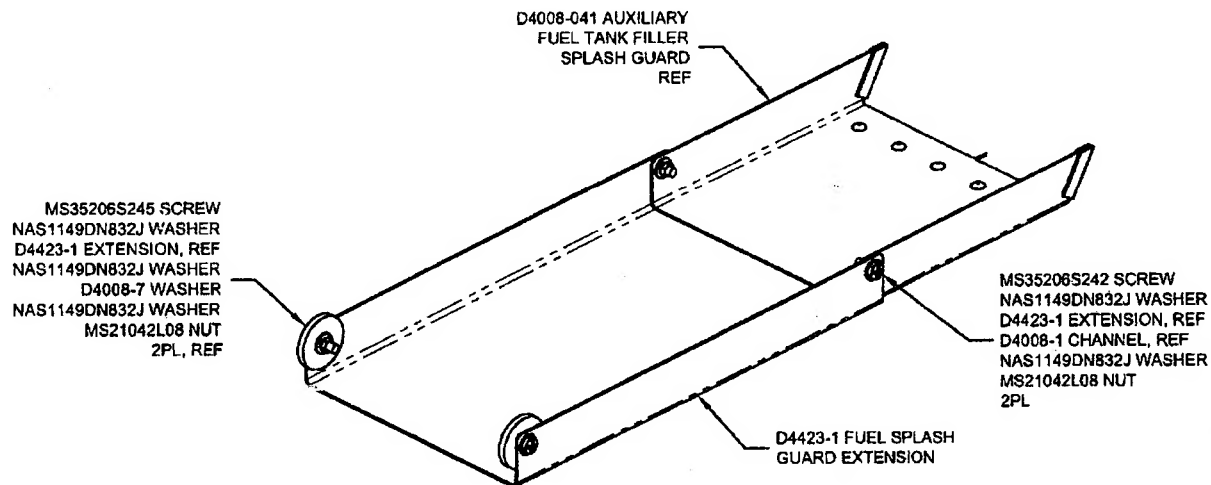


FIGURE 2: INSTALLATION OF FUEL SPLASH GUARD EXTENSION
(SHOWN WITH TANK REMOVED)

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MFG. APPR.		DSI 9599
APPROVED		TITLE
DE APPR.		DART AUX TANK AND
DATE	12.02.23	ECL SQUIRREL CHEEK COMPATIBILITY NTS
		SCALE
		REV. A
		SHEET 4 OF 5

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DEPARTMENT OF TRANSPORT	
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BRANCH	
DAO # 01-C-01	
APPROVED	
BY: <i>[Signature]</i>	D. SHEPHERD (DE # 02)
DATE: 12.03.01	
CERT. NO.: SH05-4	
ISSUE NO.: 3	

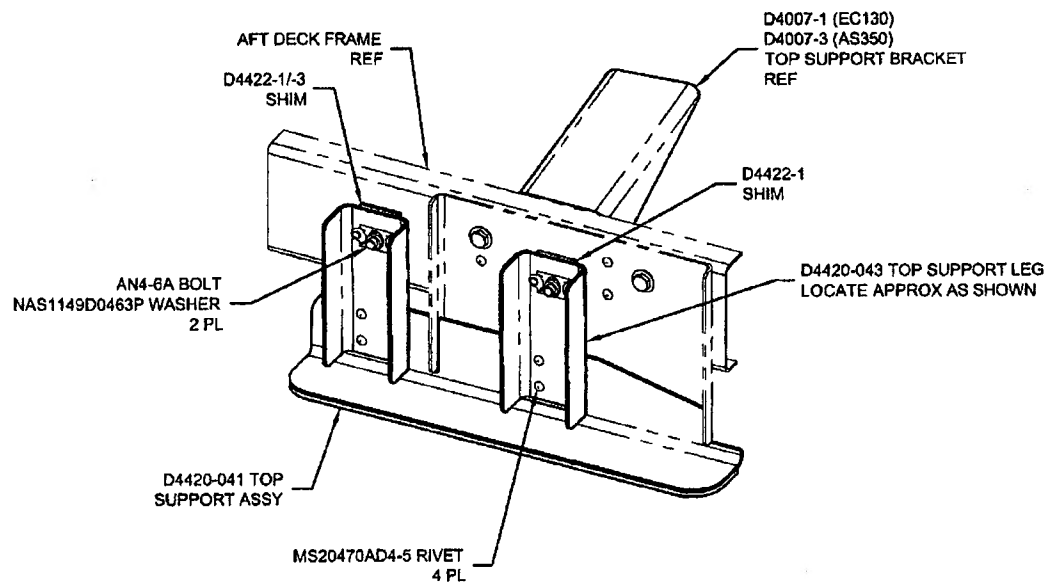


FIGURE 3: INSTALLATION OF TOP SUPPORT ASSY
(SHOWN WITH SQUIRREL CHEEK, TANK, AIRCRAFT SKIN AND DECK REMOVED FOR CLARITY)

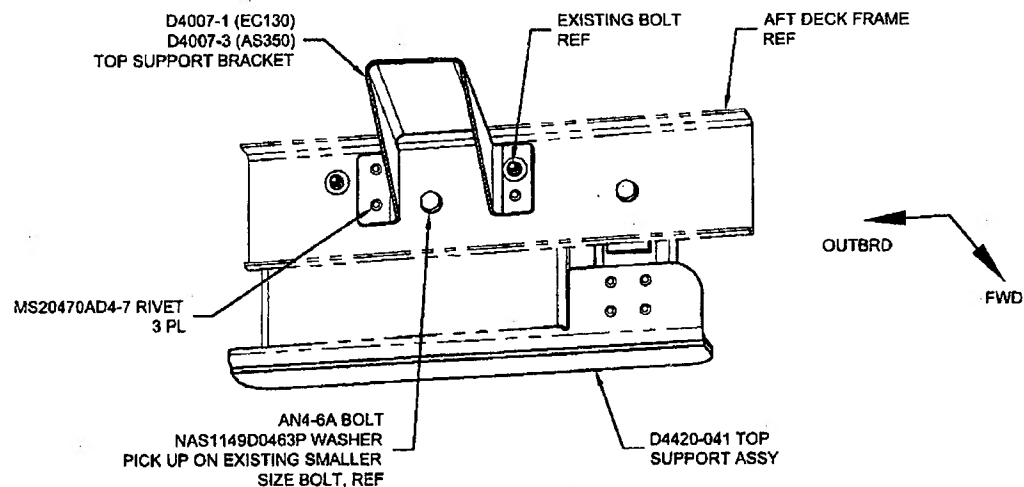


FIGURE 4: INSTALLATION OF TOP SUPPORT ASSY
(SHOWN WITH SQUIRREL CHEEK, TANK, AIRCRAFT SKIN AND DECK REMOVED FOR CLARITY)

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DRAWN		HAWKESBURY, ONTARIO, CANADA	
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MFG. APPR.		DSI 9599	SHEET 5 OF 5
APPROVED		TITLE	DART AUX TANK AND SCALE
DE APPR.		ECL SQUIRREL CHEEK COMPATIBILITY NTS	
DATE	12.02.23	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	